

ABSTRACT

Various resonant modes of a multiresonant antenna structure share at least portions of the structure volume. The basic antenna element has a substantially planar structure with a planar conductor and a pair of parallel elongated conductors, each having a first end electrically connected to the planar conductor. Additional elements may be coupled to the basic element in an array. In this way, individual antenna structures share common elements and volumes, thereby increasing the ratio of relative bandwidth to volume.